

Supplemental Figure 2. Localized inhibition of CtsK alleviated the damage of cartilage induced by CIA. (A) Representative safranin-o stained knee joint sections. The black arrow indicates cartilage. (B) OARSI score of knee joints in different groups. Control: untreated DBA/J1 mice; P.g: mice orally infected with $Porphyromonas\ gingivalis$; CIA: mice with collagen-induced arthritis (CIA); GFP: mice received empty AAV vectors (AAV-U6-CAG-EGFP); CtsK: mice received AAV-U6-Ctsk-shRNA-CAG-EGFP. Data are presented as the mean \pm SD. Data are presented as the mean \pm SD. Statistics in "B" was determined by Kruskal Wallis test and Mann-Whitney U exact test. The asterisk (with no line connection) on the column of this group represents the statistical difference between it and the control group. **p < 0.01, ***p < 0.001. Experiments were repeated three times.